

**Q:** What is the instrument field of view dimensions for OI SL

**A:** The OI SL field of view is a 76° cone of unobstructed view through its 270° rotation.

**Note:** see updated answer to this question later in the list.

**Q:** Do we have to stay within the given ESPA envelope (24"x 24" x38")?

**A:** We really want you to stay within the envelope. If you have local protrusions at the edges of the envelope include those in your design. The goal is to remain within the envelope.

**Note:** see updated answer to this question later in the list.

**Q:** Are there any limitations as to where we locate all the OI SL boxes in relation to the TERM or can they put them anywhere?

**A:** You can put them anywhere.

**Q:** Can you describe the CFE booms more?

**A:** The three booms will be mounted 120° apart in a radial pattern around the spacecraft bus. The booms can be located anywhere along the z-axis (vertical axis) of the spacecraft, preferably in the same horizontal plane along the z-axis. The antennas shall face in the nadir direction with a clear field-of-view (FOV) to the earth. The booms shall be 2.5 meters in length nominally and shall stow to a length approximately 1/3 the fully deployed length. The three antenna booms shall be mounted to the spacecraft via a single mounting plate for each boom subassembly. The detailed design of this plate is TBD. The stowed configuration is also TBD. Offerors are welcome to make suggestions for stowage. The booms/antenna will be GFE.

**Q:** Can I get more info on the encryption hardware (mass, power, dimensions)?

**A:** Due to the various methods used to integrate the encryption hardware, refer to transponder vendor specifications.

**Q:** The requirements matrix states one value and the experiment briefing states another value. Which should I use?

**A:** The requirements matrix has the latest info, use the values found on the matrix.

**Note:** see updated answer to the question about where to find the most up to date information later in the list.

**Q:** Can we assume a standard 1553 bus?

**A:** If using 1553 is the optimum solution for your design then propose it.

**Q:** The MRD and TRD state different requirements than the PRDA requirements matrix. Which should I refer to?

**A:** The latest versions of the MRD and TRD take precedence over any other documents that were previously published (experiment briefing charts, PRDA requirements matrix, etc.)

**Q:** What is the OI SL FOV?

**A:** The OI SL TERM shall be mounted on the SC in a location that provides the most unobstructed view to earth and companion satellites, both LEO and GEO. The coelostat gimbal provides a hemispherical field of regard to the OI SL payload. The SC design shall provide a clear, unobstructed hemispherical field of regard for OI SL. However, small intrusions (less than 10 degrees) may be acceptable, but they must be coordinated with STP and the PI. The PI would prefer that the OI SL TERM is not mounted on the same side as a solar array for fear of obstructions.

**Q:** What type of contract is envisioned by STP?

**A:** STP has not determined a contract type. The offeror can propose the type of contract they prefer.

**Q:** Can the SC envelope be violated?

**A:** The envelope requirements are 60.9 x 60.9 x 96.5 cm and 170 kg. The space vehicle and separation system must fit within this envelope. You can propose whatever you want, but meeting the static envelope requirements is an evaluation criteria. The number of payloads flown is also an evaluation criteria. The offeror needs to make the trades of which payloads to fly (OISL is required, the rest are desired in descending order: MESA, WSSP, CITRIS, and MEPSI).

**Q:** Who is responsible for providing the separation system?

**A:** The SC Contractor is responsible for providing the separation system.

**Q:** In the draft MRD there is a conflict about the mounting of the CITRIS antenna. In one place it says to mount it on the ram or wake face of the SC, in another place it says to mount it on the nadir face. Which is correct?

**A:** CITRIS should be mounted on the ram or wake face of the SC. Any reference to the nadir face was in error.

**Q:** Are the Cover Sheet and Table of Contents excluded from the 40-page limitation?

**A:** Yes

**Q:** Can an Acronym List be added to the proposal volumes and excluded from the 40- page limitation?

**A:** Yes

**Q:** There may be occasions when a table, chart, graph, diagram and schematic will not use the entire 11x17 foldout. In those cases (e.g., 2/3 of the foldout is a graphic) can the foldout include text?

**A:** No

**Q:** The instruction states, "For charts, graphs, and figures, the text shall be no smaller than 12-point font size." Can the font size be changed to 8-point?

**A:** 12 pt refers to the text in the body. Text on drawings, etc must be legible.

**Q:** Can the MRD and TRD be submitted at separate tabs in Part II, SOW?

**A:** Put in however you see fit.